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MORTON ARBORETUM
JOY MORTON · FOUNDER
BULLETIN OF
LISLE, ILLINOIS POPULAR INFORMATION

AN ANNOTATED LIST OF DECIDUOUS TREES FOR THE CHICAGO REGION

Changed planting concepts brought about by current architectural trends, new theories pertaining to the landscape treatment of home grounds, streets and parkways and present day maintenance requirements have exerted a pronounced influence on tree selection, the most significant of which has been the shifting of emphasis from shape to size.

Without minimizing the importance of form or contour, it is ultimate height which today's tree planter is apt to consider first. For any material which cannot be counted on to stay within prescribed bounds, not only changes the scale of the composition of which it is a part, but upsets balance, complicates maintenance and in general defeats the purpose for which it was intended.

In recognition of the increased importance of size, the accompanying tabulation has been based upon the average height various tree species may be expected to attain in the Chicago region. For obvious reasons, the data would not be applicable to other geographical localities where differences of climate and growing conditions prevail.

Dwarf Trees
(to 15 ft. in height)

NAME	SHAPE	SPECIAL INTEREST	REMARKS
Aesculus arguta Texas Buckeye	Oval	Fol. fls. (yellow)	Symmetrical
Amelanchier grandiflora Apple Shadblow	Horizontal to rounded	Fls. (white) Fr. blue black)	Picturesque
Carpinus caroliniana American Hornbeam	Irregular to rounded	Fr. F.C. Bk. (gray)	Picturesque
Crataegus punctata Dotted Hawthorn	Horizontal	Fls. Fr.	The flattest topped Hawthorn
**Cornus florida* Flowering Dogwood	Horizontal	Fls. (white) Fol. F.C. (scarlet) Fr. (red)	Picturesque

*Plants usually requiring special treatment in the area
Fol. = Foliage
Fls. = Flowers
Fr. = Fruit
Bk. = Bark
F. C. = Fall color
Brs. = Branches
Bds. = buds

DWARF TREES — *Continued*

NAME	SHAPE	SPECIAL INTEREST	REMARKS
Euonymus yedoensis **Yeddo Euonymus**	Rounded to Horizontal	Fol. (bold) Fr. (rose pink) F.C. Bk. (striped)	Picturesque
Halesia carolina **Carolina Silverbell**	Pyramidal to rounded	Fls. (white) Fr. (tan) Bk. (striped)	Flowers decorative
Koelreuteria paniculata* **Goldenrain Tree	Oval to rounded	Fol. Fls. (yellow) Fr.	Late flowering (July)
Magnolia stellata **Star Magnolia**	Oval to irregular	Fls. (white) F.C. (yellow)	Early flowering
Magnolia stellata rosea **Pink Star Magnolia**	Oval to irregular	Fls. soft pink (F.C. yellow)	Not a bright pink
Magnolia stellata Waterlily **Waterlily Magnolia**	Oval to irregular	Fls. (white, semi-double)	Floriferous
Malus arnoldiana **Arnold Crabapple**	Horizontal to rounded	Fls. (pink to white) Fr. (yellow and red)	Floriferous
Malus atrosanguinea **Carmine Crabapple**	Horizontal to rounded	Fls. (carmine) Fr. (dark red)	Picturesque
Malus micromalus **Midget Crab**	Pyramidal	Fls. (soft pink) Fr. (yellow)	Early flowering
Malus Oekonomierat Echtermeyer **Pink Weeper Crab**	Rounded, semi-drooping	Fls. (rose pink) Fol. (bronze) Fr. (purplish)	Of graceful habit
Malus Sargenti **Sargent Crabapple**	Horizontal	Fls. (white) Fr. (wine red)	The dwarfest Crab-apple
Oxydendrum arboreum* **Sourwood	Pyramidal	Fol. (glossy) Fls. (white) F.C. (red) Fr.	Very ornamental
Prunus americana **Wild Plum**	Rounded	Fls. (white) Fr. (red)	Forms dense thickets
Prunus blireiana "Newport" **Newport Plum**	Rounded	Fls. (pink) Fol. (reddish purple)	Foliage color outstanding
Pyrus Calleryana Faurei **Dwarf Callery Pear**	Horizontal to rounded	Fol. (glossy) Fls. (white) F.C.	Graceful small tree
Syringa amurensis japonica **Japanese Tree Lilac**	Pyramidal	Fol. Fls. (white) Fr. Bk.	The latest lilac to flower (July)
Ulmus carpinifolia umbraculifera **Globe Smooth-leaved Elm**	Round	Fol. Form	Dense and compact
Ulmus glabra Camperdowni **Camperdown Elm**	Horizontal or umbrella topped	Fol. Fls. Fr. Form	Picturesque

Small Trees
(from 15 to 30 ft. in height)

Acer ginnala **Amur Maple**	Round	Fol. Fr. F.C. (orange to scarlet)	Dense; very hardy
Acer tataricum **Tatarian Maple**	Oval	Fol. Fr. (bright scarlet) F.C. (red to yellow)	Fruit spectacular
Aesculus carnea **Red Horsechestnut**	Round	Fol. Fls. (red)	Fol. more rust resistant
Amelanchier canadensis **Downy Shadblow**	Upright, rounded	Fol. Fls. (creamy white) Fr. F.C.	Tallest of the Shadblows

SMALL TREES — *Continued*

Name	Shape	Special Interest	Remarks
Amelanchier laevis Allegheny Shadblow	Oval to irregular	Fls. (white) Fol. Fr. F.C. (terracotta)	Of all season interest
Betula populifolia Gray Birch	Pyramidal to irregular	F.C. (gold) Bk. (white)	Lower growing than most; Picturesque
Carpinus betulus European Hornbeam	Round	Fol. F.C. (yellow) Bk. (gray)	Very dense and compact; Foliage persistent
Carpinus betulus fastigiata Pyramidal European Hornbeam	Columnar	Fol. F.C. Bk.	Excellent accent plant
Castanea mollissima Chinese Chestnut	Round	Fol. (glossy) Fls. Fr. (edible)	Dense and compact
Cercidiphyllum japonicum Japanese Katsuratree	Pyramidal to rounded	Fol. F.C. (y. to purplish red)	Pest free
Cercis canadensis Redbud	Vase shaped to irregular	Fol. Fls. (magenta) F.C. (yellow)	Flowers before the leaves
Cercis canadensis alba Whitebud	Vase shaped to irregular	Fls. (white)	Less vigorous
Crataegus cordata (*syn. phaenopyrum*) Washington Hawthorn	Columnar to rounded	Fol. Fls. (white) F.C. (Chinese red)	Shapely and compact
Crataegus crus galli Cockspur Hawthorn	Horizontal to rounded	Fol. (glossy) Fls. (white, late M) Fr. (red)	One of the best
Crataegus Lavallei Lavalle Hawthorn	Horizontal to rounded	Fol. (glossy) Fls. Fr. (red) persistent	Picturesque
Crataegus mollis Downy Hawthorn	Rounded	Fol. Fls. (white) Fr. (red)	The earliest to flower; Fruit edible
Crataegus Oxyacantha Pauli Paul's Scarlet Hawthorn	Round	Fol. Fls. (deep scarlet)	Of dense habit
Halesia monticola Mountain Silverbell	Pyramidal to rounded	Fls. (large) Fr. Bk.	Larger flowered than "carolina"
Magnolia salicifolia Anise Magnolia	Pyramidal	Fol. Fls. (white)	Earliest to bloom; very shapely
Magnolia Soulangeana Saucer Magnolia	Oval	Fol. Fls. (rose pink) Bk.	Valued for early flowers
Malus adstringens Adstringens Crab	Round	Fls. (soft pink)	Spectacular in blossom
Malus baccata mandshurica Mandshurian Crab	Round	Fls. (white)	The earliest crab to flower
Malus hupehensis Tea Crab	Irregular	Fls. (white) Fr. (red)	Picturesque habit
Malus ioensis Prairie Crab	Irregular to oval	Fls. (salmon pink)	Forms thickets; Fragrant flowers
Malus ioensis plena Bechtel Crab	Rounded	Fls. (double pink)	Late flowering; Subject to Cedar Apple Rust

SMALL TREES — *Continued*

Name	Shape	Special Interest	Remarks
Malus Prince Georges **Prince Georges Crab**	Upright to rounded	Fls. (double pink)	Late flowering; floriferous
Malus purpurea **Purple Crab**	Rounded	Fol. (bronze) Fls. (purplish red) Fr. (purple)	Early; floriferous
Malus purpurea Eleyi **Eley Crab**	Rounded	Fol. (reddish bronze) Fls. red Fr. (wine)	Floriferous
Malus purpurea Lemoinei **Lemoine Crab**	Rounded, dense	Fol. (dark green) Fls. (deep purplish red) Fr. (purplish red)	The darkest flowered of all
Malus toringoides **Cutleaf Crab**	Horizontal to rounded	Fol. Fls. (white) Fr. (yellow, red) persistent	Picturesque; late flowering
Malus zumi calocarpa **Zumi Crab**	Broad, rounded	Fol. Fls. (white) Fr. yellow or red	Very floriferous; Fruit persistent
Nyssa sylvatica **Sour Gum, Tupelo**	Pyramidal to irregular	Fol. (glossy) F.C. (glowing scarlet)	Picturesque
Prunus subhirtella* **Spring Cherry, Higan Cherry	Rounded	Fls. (pink-M.-Apr.)	Early; Flowers only after mild winters
Prunus subhirtella autumnalis* **Autumn Higan Cherry	Rounded	Fls. (pink) Brs. slender	Often a recurrent bloomer (fall)
Prunus subhirtella pendula* **Weeping Higan Cherry	Drooping	Fls. Brs. slender	Picturesque habit
Quercus robur fastigiata **Pyramidal English Oak**	Columnar	Fol.	Narrow and spire-like
Sassafras albidum **Sassafras**	Horizontal to oval or irregular	Fol. (three types) Fls. F.C. (orange red) Fr. Twigs green	Picturesque
Sorbus Aucuparia **European Mountainash**	Oval	Fol. Fls. (white) Fr. orange red	Short lived (subject to borers)

Medium Sized Trees
(30 to 50 ft. in height)

Acer platanoides **Norway Maple**	Rounded	Fls. (yellow) Fol. F.C. (golden yellow)	Foliage persistent
Acer platanoides Schwedleri **Schwedler Maple**	Rounded	Fls. (yellow) Fol. (dark purplish red)	Valued for dark spring foliage
Acer platanoides "Crimson King" **Crimson King Maple**	Rounded	Fol. (dark red)	Retains dark coloring throughout the season
Acer pseudoplatanus **Sycamore Maple**	Oval	Fol. (coarse) Fr. Bk. (scaly)	
Acer rubrum **Red or Swamp Maple**	Oval	Fol. Fls. (red) F.C. scarlet) Bk.	Prefers moist locations
Aesculus glabra **Ohio Buckeye**	Oval to rounded	Fol. Fls. F.C. (bright orange)	Hardy; moderately fast grower
Aesculus Hippocastanum **Horse Chestnut**	Oval	Fol. Fls. (white)	Stately; foliage subject to leaf scorch
Ailanthus altissima **Tree of Heaven**	Rounded	Fol. (coarse) Fr. (staminate, red)	Stands adversity

MEDIUM SIZED TREES — *Continued*

Name	Shape	Special Interest	Remarks
Alnus glutinosa **European Alder**	Oval pyramidal to irregular	Fol. Fls. (catkins) early spring	Picturesque, prefers moist locations
Betula nigra **River Birch**	Irregular to oval	Bk. (orange tan) shaggy	Picturesque; likes moisture
Betula papyrifera **Paper or Canoe Birch**	Pyramidal to oval	Fol. F.C. (yellow) Bk. (chalky white)	Graceful, picturesque
Carya cordiformis **Bitternut Hickory**	Rounded	Fol. F.C. (yellow) Bds. (sulphur yellow)	The fastest growing hickory
Carya ovata **Shagbark Hickory**	Oval	Fol. Fls. Fr. Bk. (very shaggy)	Of very slow growth
Celtis occidentalis **Common Hackberry**	Vase shaped to round	Bk. (ridged)	Subject to Witches Broom
Cladrastis lutea **Yellowwood**	Round	Fol. Fls. (white) F.C. (golden yellow) Bk. silvery	Spectacular in flower
Corylus colurna **Turkish Filbert**	Pyramidal to oval	Fol.	Shapely; robust
Diospyros virginiana **Persimmon**	Oval to irregular	Fol. Fr. (edible) Bk. (deeply plated)	Picturesque
Fagus sylvatica **European Beech**	Oval pyramidal to rounded	Fol. F.C. (russet) Bk. (smooth gray)	Handsome; slow growing
Fagus sylvatica atropunicea **Purple Beech**	Oval pyramidal to rounded	Fol. (reddish purple)	The best of the purple leaved trees
Fagus sylvatica asplenifolia **Fernleaf Beech**	Oval pyramidal to rounded	Fol. (narrow)	Fine textured
Fraxinus excelsior **European Ash**	Oval to rounded	Fol. (dark green)	Good foliage; imposing stature
Fraxinus pennsylvanica lanceolata **Green Ash**	Oval to rounded	Fol. (bright green) F.C. (yellow)	Very tolerant of difficult growing conditions
Ginkgo biloba **Ginkgo**	Pyramidal to irregular	Fol. F.C. (clear yellow)	Picturesque; tolerates city conditions
Ginkgo biloba fastigiata **Sentry Ginkgo**	Columnar	Very narrow habit of growth	Suitable for street planting
Gymnocladus dioeca **Kentucky Coffeetree**	Oval to vase shaped	Fol. Fr. (pods) Bk.	Foliage luxuriant; Sparsely branched
Kalopanax pictus **Castor Aralia**	Oval to rounded	Fol. (bold) dense Fr. Bk. armed with spines	Of exotic appearance
Liquidambar Styraciflua* **Sweet Gum	Pyramidal to rounded	Fol. F.C. (yellow, crimson and purplish) Brs. often corky	Ornamental
Liriodendron Tulipifera **Tulip Tree**	Oval	Fol. Fls. F.C. (golden yellow)	Stately

MEDIUM SIZED TREES — *Continued*

Name	Shape	Special Interest	Remarks
Magnolia acuminata Cucumber Tree	Pyramidal to rounded	Fol. (bold) Fr.	Shapely; Fast growing
Magnolia kobus borealis Kobus Magnolia	Pyramidal to rounded	Fol. (bold) Fls. (white) Bk. gray	Early flowering
Ostrya virginiana Ironwood	Irregular to rounded	Fol. Fls. (catkins) Fr. Bk. shredded	Picturesque, slow growing; tolerates shade
Phellodendron amurense Amur Cork Tree	Rounded, short trunked	Fol. F.C. (yellow) Bk. (corky)	Rugged
Phellodendron chinense Chinese Cork Tree	Rounded, short trunked	Fol. (dark green) Fr. (green to black)	Spectacular fruit
Prunus Maackii May Tree	Round	Fol. (bright green) Fls. (white) Bk. (flaky)	The earliest tree to leaf; symmetrical
Prunus Padus European Bird Cherry	Round	Fol. Fls. (white) Fr.	Early leafing
Prunus Padus commutata Harbinger European Birdcherry	Round	Fol. (coarse) Fls. (white) larger than the type	Early flowering
Prunus Sargenti Sargent Cherry	Upright, rounded	Fol. Fls. (deep pink) F.C. (red) Bk.	The hardiest of the oriental cherries
Pyrus ussuriensis Ussurian Pear	Pyramidal to rounded	Fol. (glossy) Fls. (white) F.C. (scarlet)	Floriferous; hardy
Quercus robur English Oak	Round	Fol. Fr.	Shapely; persistent foliage
Salix caprea Pussy Willow, Goat Willow	Oval	Fls. (silvery)	Grown primarily for decorative catkins
Tilia cordata Littleleaf Linden	Pyramidal to oval	Fol. Fls. (July-fragrant) F.C.	Symmetrical
Tilia Moltkei Moltke Linden	Oval	Fol. (coarse)	Stately
Tilia petiolaris Pendent Silver Linden	Narrow oval	Fol. (silvery white beneath) Brs. pendent	Graceful
Tilia tomentosa Silver Linden	Oval	Fol. (white undersurfaces)	Stately
Ulmus carpinifolia sarniensis Wheatley Elm	Narrow pyramidal	Fol.	Dense and compact
Ulmus parvifolia Chinese Elm (true)	Round	Fol. (glossy green) Fls. (autumn)	Slower growing than *Ulmus pumila*

Tall Trees
(50 ft. and over)

Acer saccharinum Silver Maple	Vase shaped	Fol. Fls. (early) F.C.	Fast growing, weak wooded
Acer saccharum Sugar Maple	Oval	Fol. Fls. F.C. (yellow to orange and red)	Stately
Fraxinus americana American Ash	Oval	Fol. Fr. F.C. (purplish bronze) Bk.	Shapely

TALL TREES — *Continued*

Name	Special Interest	Shape	Remarks
Gleditsia triacanthos **Common Honey Locust**	Vase shaped, flat topped	Fol. (fine textured) Fr. (decorative brown pods) Bk. thorny	A good substitute for American Elm
Gleditsia triacanthos inermis **Thornless Honey Locust**	Vase shaped, flat topped		Thornless
Gleditsia triacanthos Moraine **Moraine Honey Locust**	Vase shaped, flat topped	Fol. persistent; podless	Thornless; uniform in contour; vigorous
Platanus occidentalis **Sycamore**	Oval	Fol. (coarse) Bk. mottled)	Effective in winter; likes moisture; a dirty tree
Populus alba **White Poplar**	Oval	Fol. (green with felty white undersurfaces) Bk. (greenish gray)	Suckers
Quercus alba **White Oak**	Round	Fol. Fls. F.C. (wine red) Bk. (light gray)	Of majestic bearing; branches horizontally; slow
Quercus bicolor **Swamp White Oak**	Pyramidal to round topped	Fol. (thick) F.C. (bronze) Bk. thick	Densely foliaged; prefers moisture; fast grower
Quercus borealis maxima **Northern Red Oak**	Round	Fol. (glossy) F.C. (orange red) Bk.	Straight trunked; moderately fast growing
Quercus coccinea **Scarlet Oak**	Irregular to rounded	Fol. (glossy) F.C. (brilliant scarlet)	Prefers light, well drained soil
Quercus imbricaria **Shingle Oak**	Oval	Fol. (glossy green) F.C. Brs. deflected (lower)	Shapely; likes moisture
Quercus macrocarpa **Bur Oak**	Irregular to rounded	Fol. (bold) Fr. (large) Bk. (coarse)	Picturesque; tolerant of soil and climate
Quercus palustris **Pin Oak**	Pyramidal to rounded	Fol. (glossy) F.C. (deep red)	Of graceful habit; branches deflected
Salix alba tristis **Weepinggold Willow**	Weeping	Fls. Twigs (golden yellow)	Graceful
Ulmus americana **American Elm**	Vase shaped	F.C. (yellow)	One of our most majestic native trees
Ulmus americana "Moline" **Moline Elm**	Oval to narrow vase shaped	F.C. (yellow)	More compact

E. L. Kammerer

Suggested Morton Arboretum Bulletins for Reference: (Cultural Suggestions, etc.)

"Ornamental Trees for Farm Planting in the Chicago Region"
Vol. 17 Nos. 2-3 Feb.-March....20c

"Know Shapes Before You Plant"
Vol. 20 Nos. 9-10 Sept.-Oct., 1945....20c

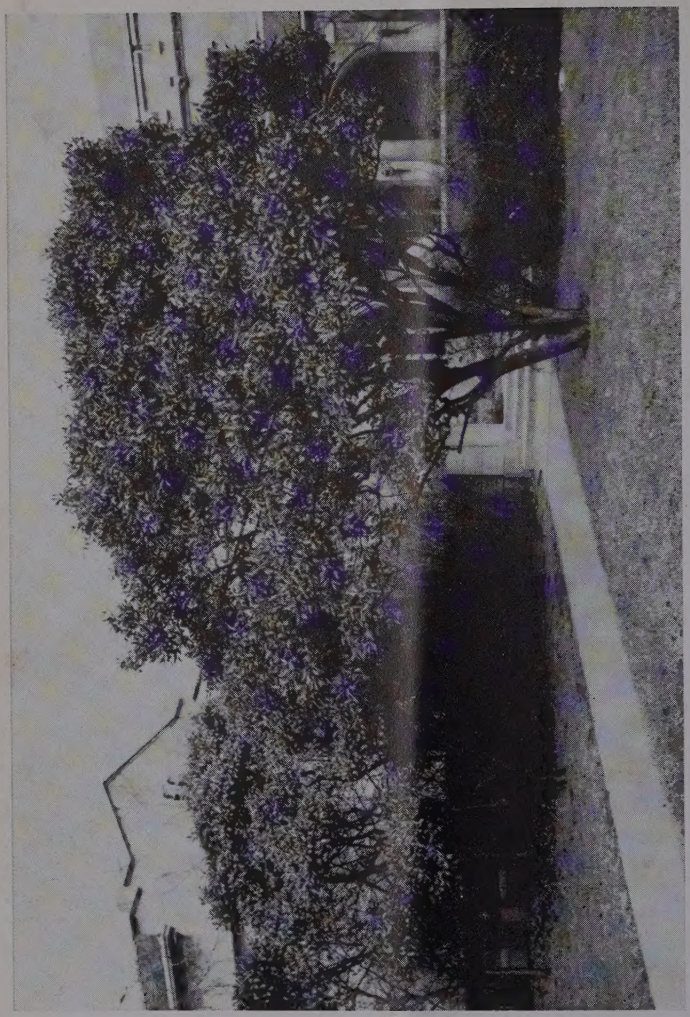
"Trees for Street and Parkway Planting"
Vol. 22 No. 3 March 1947....10c

"How Fast Do Trees Grow?"
Vol. 23 No. 3 March 1948....10c

"Small Trees for Small Properties"
Vol. 24 Nos. 7-8 July-Aug. 1949....20c

"About Shade Trees"
Vol. 26 No. 9 Sept. 1951....10c

"More Overlooked Native Trees"
Vol. 28 No. 11 Nov. 1953....10c



The Lavalle Hawthorn, *Crataegus Lavallei,* combines shapeliness of form with decorative flowers, brick red fruit and leathery foliage.

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